Mini SMP Female Right Angle to Mini SMP Female Right Angle Cable Using PE-P047 Coax

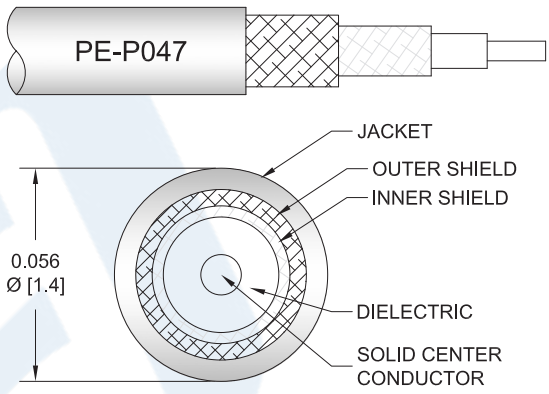
TECHNICAL DATA SHEET PE3C5004

Configuration

- Connector 1: Mini SMP Female Right Angle
- Connector 2: Mini SMP Female Right Angle
- Cable Type: PE-P047
- Coax Flex Type: Flexible

Features

- Max Frequency 20 GHz
- Shielding Effectivity > 90 dB
- 70% Phase Velocity
- Double Shielded
- FEP Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C5004 Mini SMP female right angle to Mini SMP female right angle cable using PE-P047 coax is part of our full line of RF components available for same-day shipping. Pasternack's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Pasternack Mini SMP to Mini SMP cable assembly has a female to female gender configuration with 50 ohm flexible PE-P047 coax. The PE3C5004 Mini SMP female to Mini SMP female cable assembly operates to 20 GHz. The right angle Mini SMP interfaces on the PE-P047 cable allow for easier connections in tight spaces. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness of better than 90 dB.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other available RF cable assembly value added services include connector orientation or clocking, heat shrink booting and custom labeling. RF testing can also be performed to document the electrical performance of your cable assembly.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Mini SMP Female Right Angle to Mini SMP Female Right Angle Cable Using PE-P047 Coax PE3C5004

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		20	GHz
VSWR			1.4:1	
Velocity of Propagation		70		%
RF Shielding	90			dB
Capacitance		29 [95.14]		pF/ft [pF/m]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	20	GHz
Insertion Loss (Max.)	1.35	1.52	1.85	2.25		dB/ft
	4.43	4.99	6.07	7.38		dB/m
VSWR (Max.)	1.24:1	1.24:1	1.24:1	1.4:1		
Return Loss (Max.)	19.66	19.664	19.698	15.563		dB

Mechanical Specifications

Cable Assembly

Weight	0.038 lbs [17.24 g]

Cable

Cable Type	PE-P047
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	FEP
Number of Shields	2
Shield Layer 1	Silver Plated Copper Tape
Shield Layer 2	Silver Plated Copper Braid
Jacket Material	FEP, Blue
Jacket Diameter	0.056 in [1.42 mm]
One Time Minimum Bend Radius	0.2 in [5.08 mm]
Repeated Minimum Bend Radius	0.4 in [10.16 mm]

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Connectors

Description	Connector 1	Connector 2
Type	Mini SMP Female Right Angle Push-On	Mini SMP Female Right Angle Push-On
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Dielectric Type	PTFE	PTFE
Outer Conductor Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Body Material and Plating	Brass, Gold	Brass, Gold

Environmental Specifications

Temperature

Operating Range -55 to +155 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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How to Order

Part Number Configuration: **PE3C5004 - xx uu**

- uu — Unit of Measure: cm = Centimeters; <blank> = Inches
- xx — Length
- PE3C5004 — Base Number

Example: PE3C5004-12 = 12 inches long cable
PE3C5004-100cm = 100 cm long cable

Mini SMP Female Right Angle to Mini SMP Female Right Angle Cable Using PE-P047 Coax from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: Mini SMP Female Right Angle to Mini SMP Female Right Angle Cable Using PE-P047 Coax PE3C5004

URL: https://www.pasternack.com/mini-smp-female-mini-smp-female-pe-p047-cable-assembly-pe3c5004-p.aspx

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

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